

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 151

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 MAY 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100Z TO 30/2100Z: SOLAR ACTIVITY CONTINUED LOW DURING THE PAST 24 HOURS. THE LARGEST EVENT OBSERVED WAS A C2/1B FROM REGION 4500 (S12E34) AT 1724UT. REGION 4500 HAS BEEN GENERALLY STABLE THIS PERIOD. NEW REGION NUMBERED TODAY 4507 (S12E06) IS A SIMPLE B TYPE GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW UNTIL 02 JUNE WHEN OLD ACTIVE REGION 4481 RETURNS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THIS PERIOD WITH SHORT PERIODS, AT THE HIGH AND MID LATITUDE SITES, OF MINOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT OR NEAR ACTIVE CONDITIONS DURING THIS FORECAST PERIOD. DURING THE NIGHTTIME SECTORS SHORT PERIODS OF MINOR STORM CONDITIONS WILL PROBABLY BE OBSERVED ON 01 JUNE INTO EARLY 02 JUNE. THIS ACTIVITY WILL BE DUE TO THE FILAMENTS WHICH DISAPPEARED ON 29 MAY.

III. EVENT PROBABILITIES 31 MAY-02 JUN

CLASS M 05/10/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAY 118

PREDICTED 31 MAY-02 JUN 116/120/125

90 DAY MEAN 30 MAY 127

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 MAY 010/016

ESTIMATED AFR/AP 30 MAY 024/025

PREDICTED AFR/AP 31 MAY-02 JUN 013/015-020/025-015/015

SOLTERWARN

BT